

Mountain View Corridor Air Working Group
Meeting Minutes
March 6, 2018
UTA Frontline Headquarters

Attendees:

- Reed Soper – UDOT Mountain View Corridor
- Kathy Van Dame – Wasatch Clean Air Coalition
- Linda Hansen – PTA
- John Close – Utah Transit Authority
- Bo Call – Division of Air Quality
- Andy Neff – Langdon Group (facilitator)
- Andee DeVore – Langdon Group (co-facilitator)

Minutes:

- **Review of Last Meeting**
 - Reed will follow-up with Joe, who will coordinate with West Valley City to find an AWG representative for the city.
 - Letter to Granite School District (GSD) about Hunter High portables relocation: Reed said he held off on this to make sure the timing is appropriate based on some information received from Steve Forbes.
 - It is Steve's preference to have a single point of contact with the AWG. The Group agreed that Reed should be the contact.
- **MVC Construction Update**
 - Construction is complete to 4100 South. Requests to contractors for design proposals for the next phase will be released this summer and construction is over a year out.
- **Installation Status Update**
 - The planned Hunter High annex is slated for completion in 2021. This will alleviate the current need for the portables.
 - **Hillside Tour**
 - The Group decided they would tentatively plan on doing the tour over Spring Break (first week of April), depending on Steve's availability. Reed will contact Steve and let the Group know if he is available then.
 - If the tour is planned over spring break, the next AWG meeting will be held concurrently at the school. If not, another date will be planned in April at UTA.
 - Reed mentioned that due to security issues, GSD is selective about the release of facility design plans. Reed suggested using the Sonoma report and specific recommendations as a basis for what the Group wants to see on the Hillside tour. He also suggested making a list and sharing that with Steve so he is prepared to show the Group those things on the tour.
 - Kathy reminded the Group of doing a separate indoor/outdoor measurement next winter. She also asked when the Group should expect the other schools to

be done. Reed will get an update from Steve. He also said Steve is fine with doing the indoor/outdoor monitoring, but his main concern was whether it was going to be Sonoma doing the evaluation. Reed reminded him that the agreement stipulates that it will be an independent group, not Sonoma, and that made Steve feel more comfortable with the evaluation.

- Next steps: Reed will ask Steve to update the spreadsheet and schedule the tour. Reed will then send the tour dates to the group and make the list of things to see, circulate it with everyone for edits, and share it with Steve so he can prepare accordingly.

- **Budget Review**

- Included in the table is the projected shortfall of about \$100,000 with the installation of various upgrades. The table shows each of the different schools and what the AWG had in the agreement for each school vs. what it will actually end up costing. The \$100,000 shortfall is one of Steve's concerns. The accountants at GSD are also concerned about this.
- Table clarifications:
 - A&E = Architecture and Engineering Design Work
 - Final construction amount = labor and equipment
 - Column I is the sum of columns G and H
- Kathy asked if UDOT would cover the cost of upgrades to the Hillside annex. Reed said Joe agreed to cover the original cost of the upgrade. There is a pretty substantial difference between the original cost and the current cost estimate because it was initially a non-commercial set up. Upgrades required a lot of work, not just in upgrading the units, but in making sure the whole facility could handle the upgrade.
- Bo asked what the AWG agreed to pay. Reed said in preliminary discussions before plans were finalized, Joe had agreed to pay \$224,000.
- John asked if there was a contingency worked into the budget. Reed said there was a 10% contingency and clarified that, because the current table shows a little more than 10%, this is GSD coming back to the Group saying they need more money.
- Linda pointed out that the totals for West Valley Elementary (WVE) and Whittier are not accurate. Reed said he would get clarification from Steve on those totals.
- Once accurate numbers are received from GSD, the Group needs to decide if they are comfortable with funding the deficit. Bo said that, since the Group has the money, he is prepared to pay whatever it costs since that is what the money is for. Kathy agreed.
- Andy asked if it was possible to get a more detailed explanation of the reason for increased costs. According to Reed, Steve expressed that the initial costs in column F were provided by Sonoma. In some areas, there was more or less work than what Sonoma recommended, because what the Group asked them to do was pretty broad. The designers ended up going through every single spot and called out what is needed in that particular area. It is not abnormal for the numbers to change.
- Bo expressed interest in having the numbers identified and explained on paper, but at the end of the day the Group will pay whatever the cost is. Kathy agreed and said the minimum due diligence would have to be a piece of paper that is consistent.

- Reed said he will get an upgraded spreadsheet from Steve and circulate it to the Group. He expressed that, if the end result is the Group pays the difference, his preference would be to start working immediately on the agreement to transfer the money.

- **Independent Evaluation Scope**

- The Group asked for an update on the portables at Hunter High. Reed's understanding of Sonoma's portables report was that they are going to just slide in 2-inch filters. From what Steve says, it will not work that way. Instead, he has been fabricating a device that will hold a two-inch filter. They are still working on that to get it to work.
- Kathy and Bo asked why the Group would want to upgrade portables if they are just going to move and because there is not any heavy traffic in that area now. Reed responded that he thinks it is just for the meantime, from now to 2021, but that Steve probably would not mind if the Group decided to abandon that pursuit.
- Linda asked if the Group is also paying for the planned Hunter High annex. Reed said he did not know and that it had not yet been a topic of conversation. Bo said he would rather pay for an annex than a portable, and the Group agreed. Reed mentioned that the Group's charge is to pursue opportunities to provide better quality air in schools.
- Reed also mentioned the school district is seeing some of the benefits of this upgrade in many ways. For instance, the building is cleaner, so they do not have to spend as much on maintenance. Additionally, in the past the school has used a calendar schedule to change filters, but now the facilities manager has an app on his phone that tells him when and what filters need to be replaced, thus saving money.
- Bo expressed that he thinks air quality in the area is improving so benefits of the upgrades may not be as pronounced over time. This winter, there only two days above the standard. Total emissions are going down and cars are getting cleaner, so indicators are pointing to cleaner air.
- Kathy asked Reed if he talked to Steve about the CO2 monitors and why they are not working. Reed said he had not and also expressed his understanding that the portables have not been fixed yet.
- Bo asked what is going to happen to the portables, as there is no use in upgrading them if they are just going to be demolished. Reed said the funds for the portables were only \$5,500, purely to pay for filters. Whatever happens to the portables, it will not be a huge investment going to waste.

- **Annual Report**

- John asked for clarification on what will be measured with the indoor/outdoor monitoring. Kathy said, in her mind, the Group will be monitoring how the HVAC system changes the ambient air; just whatever the delta is. Reed added that the Group will monitor what percentage of the particulate matter in the ambient air outside is removed, as this will give the Group an idea of what the system is removing from outside.
- Bo suggested that this is not the measurement the Group wants to make. The study Bo looked at showed there was not much difference inside the school as compared to outside. Even when the outside was going up, the school was staying lower, so that was

good. As the outside went up and down, the inside was pretty steady, so that showed the HVAC system was doing its job. The Group can measure the percent difference and see what the numbers say, but Bo was not sure the Group would want to hang their hat on that. He did not want to measure something that, at the end of the day, does not tell the Group anything.

- Andy suggested having Bo help with the language on that when the scope is drafted for the contractor, and Bo agreed. Kathy also brought up the possibility of having an academic group help the AWG identify what measurements should be made. Bo suggested Carrie Kelly. Kathy agreed that she would be good.
- Kathy said she was curious about what to measure to show that classroom hazardous pollutant (“HAPS”) levels are decreasing. Bo supposed that would entail a lot of consumer goods, so it would be difficult to tell.
- Bo reinforced the need to do the study when the air is bad. He suggested not doing an episodic study, but instead a study from the first part of December through March. That would have the best chance of capturing the bad air days.
- Andy reminded the Group that the contract scope needs to be worked out. Reed said he could put together a draft of the scope and circulate it because the Group needs to know if there is an option to hire someone off the pool or if the Group needs to advertise.
- Bo mentioned the need to think about equipment because some things are not ready to just be purchased off the shelf. Oftentimes the instruments are custom-made. It could take 6-12 weeks to get some instruments.
- Andy clarified that the media plan is to hold off on releasing the press release until all the schools are upgraded, which would be next winter. The press release has been approved by UDOT and GSD communications. Reed suggested brainstorming questions that might be asked by the public beforehand and share those with UDOT and GSD. Andy recommended doing that in the fall timeframe.